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ABSTRACT

The Arizona Center for Vocational Education was mandated to provide the State Board for Vocational and Technical Education with an annual list of high demand occupations ranked according to a job opportunity factor that takes into consideration both supply and demand for workers in that occupation. The list was to indicate which occupations were appropriate for training at the 11th and 12th grades. The Center was also charged with determining a cost factor for each of the occupations on the list. A study identified 38 Program Delivery Units (PDUs), each of which represented a group of occupations that required a similar facility with similar types of equipment and similarly qualified instructors to train for each of the occupations in the cluster. (Tables in this report rank PDUs according to allocated demand; demand minus community college and private school supply; and demand minus high school, community college, and private school supply. PDU cost factors are illustrated in another table. An appendix contains 38 charts that indicate Occupational Employment Service job titles ranked on demand by PDU.) (YLB)

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A RANKING OF

HIGH DEMAND OCCUPATIONS

APPROPRIATE FOR

SECONDARY VOCATIONAL EDUCATION

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A RANKING OF

HIGH DEMAND OCCUPATIONS

APPROPRIATE FOR

SECONDARY VOCATIONAL EDUCATION

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August, 1986

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FOREWORD

This document is the first annual report concerning the ranking of high demand occupations that are appropriate for secondary vocational education. The Center's mandate is specified in Arizona Revised Statutes 15-782.01 C which states:

"C. The center for vocational education at a university under the jurisdiction of the Arizona board of regents designated by the Arizona board of regents shall annually provide the following to the state board for vocational and technical education:

1. A list of high demand occupations ranked according to a job opportunity factor which takes into consideration both supply of and demand for workers in that occupation. The list shall indicate those occupations for which appropriate training may be given in the eleventh and twelfth grades.

2. The cost factor for each of the occupations on the list, as determined by a cost study."

Two study groups were utilized to assist the Center in developing the list. The names of the participants are attached in Appendix B. One group was appointed by the Arizona Department of Education and dealt with the issue of how to group occupations for instruction. This resulted in the identification 38 program delivery units.

The other group was appointed by the Center and dealt with the issues of which occupations are appropriate for training at the high school level and how to incorporate a supply factor into the ranking of high demand occupations.

The Arizona Center for Vocational Education is pleased to have the opportunity to conduct the research, collect the data and publish this report. The Center is deeply appreciative to the Arizona Department of Economic Security and its staff who assisted by providing the labor market information and in its interpretation.

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INTRODUCTION

The Arizona Legislature passed House Bill 2205 during its first regular session in 1985. The major impact of this bill was to change the determination of what high school vocational education programs are eligible for Group B add-on weight funding.

Prior to the passage of House Bill 2205 there were two group B categories for additional vocational funding. These were:

Voc. Ed. I - Agriculture and Trades and Industry Programs in grades nine through twelve.

Voc. Ed. II - Health Occupations Programs in grades nine through twelve.

In place of these two categories the statutes were changed to mandate the State Board for Vocational and Technical Education to annually adopt a list of high demand and high cost programs that will be eligible for the group B weight. These programs are eligible to receive additional basic state aid. Three million dollars was appropriated for the 1985-1986 fiscal year for support of this program. This amount is to grow each year by the same growth rate allowed for school district budgets.

The bill also mandated The Center to annually provide the State Board for Vocational and Technical Education with a list of high demand occupations ranked according to a job opportunity factor with takes into consideration both supply and demand for workers in that occupation. The list must also indicate which occupations are appropriate for training at the eleventh and twelveth grades.

A second charge to The Center was to determine a cost factor for each of the occupations on the list. The cost factors are to be determined by a cost study. The following chapter presents the methodology used to accomplish the mandate.

STUDY METHODOLOGY

Two study committees were utilized to assist the Center in developing the list. One group was appointed by the Arizona Department of Education and dealt with the issue of how to group occupations for instruction. This effort resulted in the identification of 38 Program Delivery Units (PDU's). Each of these Program Delivery Units represents a group of occupations that require the following:

1. A similar facility,
2. with similar types of equipment, and
3. similarly qualified instructors to train for each of the occupations in the cluster.

The 38 program delivery units were developed by conducting interviews with each of the vocational program directors in the Arizona Department of Education. The initial data base for this task was the 1985-1986 Arizona Secondary Vocational Education Enrollment Handbook. The program codes in the handbook were grouped according to the three criteria used to define a Program Delivery Unit. The results of the groupings were reviewed with the appointed study committee for input. Based on the committee's input the 38 PDU's were defined. These 38 PDU's encompass all existing secondary preparatory programs currently being offered in Arizona.

The second group was appointed by the Center and provided input concerning the issues of which occupations are appropriate for training at the high school level and how to incorporate a supply factor into the ranking of high demand occupations. The group identified the following assumptions that were used throughout the study:

* Labor market data as compiled by the Department of Economic Security would be the data source for the ranking of occupations.
* Recognize that self-employed occupations are not included.
* Cluster the occupations by PDU for ranking.
* Use the Specific Vocational Preparation (SVP) scale and General Education Development (GED) levels for initial determination of the appropriateness for training at the high school level.

* Use only 40 to 50% of the secondary completers as job ready supply. This is based on the results of state-wide follow-up studies that indicate 50 to 60% of high school completers continue in some type of education.

All occupational titles included in the annual publication "1986 Arizona Occupational Employment Forecasts" published by the Arizona Department of Economic Security were included in the initial data base and were reviewed for appropriateness of instruction at the high school level and then assigned to the appropriate program delivery unit.

Determination of Appropriate Instructional Level

The Specific Vocational Preparation (SVP) scale was one of the indicators used to determine appropriate training level. The SVP is defined as follows:

> The amount of time required to learn the techniques, acquire the information, and develop the facility needed for average performance in a specific job-worker situation. This training may be acquired in a school, work, military, institutional, or vocational environment. It does not include orientation training required of a fully qualified worker to become accustomed to the special conditions of any new job.

The SVP scale of time periods to learn various jobs is as follows:

Level	Time
1	Short demonstration only
2	Anything beyond short demonstration up to and including 30 days
3	Over 30 days up to and including 3 months
4	Over 3 months up to and including 6 months
5	Over 6 months up to and including 1 year
6	Over 1 year up to and including 2 years
7	Over 2 years up to and including 4 years
8	Over 4 years up to and including 10 years
9	Over 10 years

The second indicator used was the General Education Development (GED) scale. The basic concept of the GED is that some amount of general education and/or life experience is necessary for the performance of any given job. The GED is subdivided into three factors:

1. Reasoning development
2. Mathematics development
3. Language development

Each of these factors has six levels defined. For the purposes of this study level 4 was defined as equivalent to a high school

education, and level 5 was equivalent to a postsecondary degree less than a four year college degree.

Using these two indicators all of the OES job titles published with demand data for Arizona were categorized into one of the following four groups:

> Below High School - These jobs can be mastered in relatively short period and therefore do not require a two year high vocational program.
>
> High School - These jobs require GED skills equivalent to a high school education and 6 months to 2 years of training to master. They are appropriate for high school vocational education.
>
> High School Plus - These jobs require either a GED or specific training period of more than two years to master. The training for these jobs might appropriately begin at the high school level but will require some post secondary training to master.
>
> Beyond High School - These jobs require a GED level beyond a high school education and a specific training period of more than two years. These jobs were judged inappropriate for a high school vocational program.

It must be emphasized that the two scales used are only indicators and not exacting measures of appropriate level for training. Therefore, professional judgement was exercised to categorize marginal jobs. The results of the assignment of jobs to the four categories was reviewed with the Arizona Department of Education Vocational Program Area Supervisors and then with the study committee. The input from both of these groups was used in the final assignment of appropriate training level.

Determination of Supply Data for Each PDU

The ranking of high demand occupations was to include supply data as well as demand data. The sources of supply data for the study were as follows:

> Secondary Vocational Program Supply - The number of high school vocational program completers for the 1984-1985 school year as report to the Arizona Department of Education. The coop program completers were not used as they could not be identified to a specific PDU. The coop completers accounted for approximately one half of the secondary vocational program completers. Since only one half of the secondary completers were assumed to be ready to enter the labor market (the other one half are assumed to continue in some type of post-secondary education), omitting the coop program graduates did not appear to reduce the actual high school supply.

Post Secondary Vocational Program Supply - the data was obtained from "A Study of Public and Private Post Secondary Institution Vocational Education Program Completers" completed by The Center for 1983-1984 fiscal year completers. The data represents those completers that had earned wages in Arizona the year following completion of a post secondary vocational program.

While both of these data bases have weaknesses concerning an accurate count of the supply available for the labor market, they were evaluated to be the best data sources available. A second problem was that program completer data could only be disaggregated to the PDU level and not to specific job titles. Therefore, it is only possible to use supply data for ranking high demand occupations at the PDU level.

Determination of Cost Factors

Time and resources did not allow for conducting an actual on-site cost study in Arizona Schools to determine the cost factors for each of the PDU's. The data from the "High School Preparatory Vocational Education Program Cost Study" conducted by The Center in 1985 was used to determine the appropriate cost factors for each of the 38 Program Delivery Units.

FINDINGS

The results of the study are presented in this section of the report. The data is presented for each of the 38 identified Program Delivery Units (PDU's). The detail data for each of the job titles related to the PDU is presented in Appendix A. It should be noted that some job titles are included in more than one PDU. In those cases the demand data is allocated among the related PDU's so as to not overstate the total job demand. The percent of the total demand data allocated to each of the PDU's is also indicated in Appendix A.

Those job titles categorized as high school and high school plus were included as jobs appropriate for high school eleventh and twelfth grade vocational education programs. The criteria for determining the appropriateness for high school training was based on the GED and SVP scales. Four of the PDU's identified are asterixed (*) as their appropriateness is questioned on other factors. The factors are: (1) minimum age requirements, (2) liability concerns, and (3) licensing requirements. The four PDU's that are not recommended for high school vocational training based on these factors are: truck and bus driving, law enforcement, practical nurse, and fire fighting and prevention. These four PDU's are included in the rankings but are footnoted as to why they should not be considered as appropriate for high school vocational programs.

Program Delivery Units Ranked on Allocated Demand

Table 1 presents the 38 PDU's ranked on allocated demand. Supply data is not incorporated in this ranking. The total demand for all job titles designated as appropriate for high school vocational training is 64,620 for 1986. The highest demand is in the marketing and administrative support (office) areas.

Table 1

Program Delivery Units Ranked on Allocated Demand

RANK	PROGRAM DELIVERY UNIT	ALLOCATED DEMAND
1	MARKETING	17,486
2	ADMINISTRATIVE SUPPORT OCCUP.	11,871
3	ACCOUNTING & COMPUTING OCCUP.	5,565
4	FOOD SERVICE/CULINARY ARTS	5,189
5	BUILDING TRADES	5,048
6	ELECTRONICS	2,050
7	HEALTH CAREERS (ALLIED HEALTH)	1,749
8	TRUCK AND BUS DRIVING *	1,539
9	LAW ENFORCEMENT *	1,203
10	AUTOMOTIVE/DIESEL MECHANICS	1,197
11	CHILD CARE & GUIDANCE	903
12	CLOTHING APPAREL	899
13	BUILDING MAINTENANCE	814
14	COSMETOLOGY	809
15	NURSING ASSISTANT	768
16	MACHINE TOOL OPERATION	765
17	CONSTRUCTION EQUIP. OPERATION	719
18	HEATING, AC & SHEET METAL	695
19	GRAPHIC/PRINTING/COMM. ART/PHO	657
20	BUSINESS DATA PROCESSING OCCUP	624
21	PRACTICAL NURSE *	556
22	DRAFTING	538
23	INSTITUTIONAL HOME	447
24	HORTICULTURE	434
25	RADIO TV PRODUCTION	329
26	HOME FURNISHINGS	301
27	WELDING	281
28	PLASTICS	268
29	AGRIC. BUSINESS & MANAGEMENT	239
30	AIRCRAFT MECHANICS	223
31	AUTOMOTIVE BODY REPAIR	155
32	FIRE FIGHTING & PREVENTION *	108
33	RENEWABLE NATURAL RESOURCES	56
34	UPHOLSTERING	52
35	AGRICULTURE MECHANICS	46
36	FURNITURE MAKING	25
37	SMALL ENGINE REPAIR	10
38	MARINE MAINTENANCE	2
	TOTAL DEMAND	64,620

* These program delivery units may not be appropriate for high school training due to age requirements, liability, and licensing requirements

Program Delivery Units Ranked on Demand Minus Community College and Private School Supply

Table 2 presents the ranking of the Program Delivery Units utilizing the post secondary supply data as a factor. The ranking is based on the demand less the post secondary supply. The net demand column indicates the demand for each of the PDU's that is above the post secondary supply from program completers.

This net demand of 56,080 jobs is available to secondary program completers without competition from post secondary program completers. Based on the current level of high school graduates and dropouts this is approximately 2 jobs for every high school graduate or dropout that is ready to enter the labor market on a full time basis.

Table 2

Program Delivery Units Ranked on Demand
Minus
Community College and Private School Supply

RANK ON NET DEMD.	PROGRAM DELIVERY UNIT	ALLOCATED DEMAND	COM. COL. COMPL. EMPLOYED IN AZ	PRIV. SCH. COMPL. EMPLOYED IN AZ	TOTAL POST SEC. SUPPLY	NET DEMAND
1	MARKETING	17486	6	48	54	17432
2	ADMINISTRATIVE SUPPORT OCCUP.	11871	467	774	1241	10630
3	ACCOUNTING & COMPUTING OCCUP.	5565	119	298	417	5148
4	FOOD SERVICE/CULINARY ARTS	5189	99	0	99	5090
5	BUILDING TRADES	5048	0	20	20	5028
6	TRUCK AND BUS DRIVING *	1539	0	126	126	1413
7	LAW ENFORCEMENT *	1203	105	0	105	1098
8	CLOTHING APPAREL	899	4	5	9	890
9	CHILD CARE & GUIDANCE	903	22	0	22	881
10	BUILDING MAINTENANCE	814	28	0	28	786
11	COSMETOLOGY	809	30	0	30	779
12	NURSING ASSISTANT	768	26	0	26	742
13	ELECTRONICS	2050	462	872	1334	716
14	MACHINE TOOL OPERATION	765	74	0	74	691
15	CONSTRUCTION EQUIP. OPERATION	719	12	209	221	498
16	GRAPHIC/PRINTING/COMM. ART/PHO	657	11	153	164	493
17	INSTITUTIONAL HOME	447	0	0	0	447
18	HORTICULTURE	434	0	0	0	434
19	HEALTH CAREERS (ALLIED HEALTH)	1749	192	1157	1349	400
20	PRACTICAL NURSE *	556	269	0	269	287
21	HOME FURNISHINGS	301	22	5	27	274
22	PLASTICS	268	0	0	0	268
23	AUTOMOTIVE/DIESEL MECHANICS	1197	169	771	940	257
24	AIRCRAFT MECHANICS	223	17	0	17	206
25	AGRIC. BUSINESS & MANAGEMENT	239	8	28	36	203
26	RADIO TV PRODUCTION	329	14	113	127	202
27	BUSINESS DATA PROCESSING OCCUP	624	245	180	425	199
28	AUTOMOTIVE BODY REPAIR	155	0	0	0	155
29	DRAFTING	538	51	365	416	122
30	FIRE FIGHTING & PREVENTION *	108	31	0	31	77
31	RENEWABLE NATURAL RESOURCES	56	4	0	4	52
32	HEATING, AC & SHEET METAL	695	38	609	647	48
33	AGRICULTURE MECHANICS	46	0	0	0	46
34	UPHOLSTERING	52	14	0	14	38
35	FURNITURE MAKING	25	0	0	0	25
36	WELDING	281	43	220	263	18
37	SMALL ENGINE REPAIR	10	0	0	0	10
38	MARINE MAINTENANCE	2	5	0	5	-3
	TOTALS	64620	2587	5953	8540	56080

* These program delivery units may not be appropriate for high school training due to age requirements, liability, and licensing requirements

Program Delivery Units Ranked on Demand Minus High School, Community College and Private School Supply

Table 3 presents the ranking of the Program Delivery Units including supply data for high school, community college and private school vocational program completers. The net demand column indicates the number of jobs that are currently not being met by the public and private vocational education delivery systems in Arizona at all levels.

There is a net demand of 50,655 jobs that are not currently being trained for that are appropriate for high school vocational education preparatory programs. As stated previously this is approximately two jobs for every high school graduate and dropout that is ready to enter the labor market full time in Arizona.

Table 3

Program Delivery Units Ranked on Demand
Minus
High School, Community College and Private School Supply

RANK ON NET DEMD.	PROGRAM DELIVERY UNIT	ALLOCATED DEMAND	1985 H.S. COMPL.	COM. COL. COMPL. EMPLOYED IN AZ	PRIV. SCH. COMPL. EMPLOYED IN AZ	TOTAL SUPPLY	NET DEMAND
1	MARKETING	17486	102	6	48	156	17330
2	ADMINISTRATIVE SUPPORT OCCUP.	11871	1407	467	774	2648	9223
3	FOOD SERVICE/CULINARY ARTS	5189	46	99	0	145	5044
4	BUILDING TRADES	5048	134	0	20	154	4894
5	ACCOUNTING & COMPUTING OCCUP.	5565	940	119	298	1357	4208
6	TRUCK AND BUS DRIVING *	1539	0	0	126	126	1413
7	LAW ENFORCEMENT *	1203	7	105	0	112	1091
8	CLOTHING APPAREL	899	45	4	5	54	845
9	CHILD CARE & GUIDANCE	903	37	22	0	59	844
10	BUILDING MAINTENANCE	814	7	28	0	35	779
11	COSMETOLOGY	809	62	30	0	92	717
12	NURSING ASSISTANT	768	41	26	0	67	701
13	ELECTRONICS	2050	43	462	872	1377	673
14	MACHINE TOOL OPERATION	765	20	74	0	94	671
15	CONSTRUCTION EQUIP. OPERATION	719	13	12	209	234	485
16	INSTITUTIONAL HOME	447	0	0	0	0	447
17	GRAPHIC/PRINTING/COMM. ART/PHO	657	78	11	153	242	415
18	HORTICULTURE	434	60	0	0	60	374
19	PRACTICAL NURSE *	556	7	269	0	276	280
20	HOME FURNISHINGS	301	0	22	5	27	274
21	PLASTICS	268	0	0	0	0	268
22	AIRCRAFT MECHANICS	223	4	17	0	21	202
23	HEALTH CAREERS (ALLIED HEALTH)	1749	206	192	1157	1555	194
24	RADIO TV PRODUCTION	329	16	14	113	143	186
25	AUTOMOTIVE BODY REPAIR	155	67	0	0	67	88
26	FIRE FIGHTING & PREVENTION *	108	0	31	0	31	77
27	AGRIC. BUSINESS & MANAGEMENT	239	151	8	28	187	52
28	HEATING, AC & SHEET METAL	695	8	38	609	655	40
29	DRAFTING	538	84	51	365	500	38
30	RENEWABLE NATURAL RESOURCES	56	17	4	0	21	35
31	SMALL ENGINE REPAIR	10	2	0	0	2	8
32	FURNITURE MAKING	25	25	0	0	25	0
33	MARINE MAINTENANCE	2	0	5	0	5	-3
34	AGRICULTURE MECHANICS	46	106	0	0	106	-60
35	UPHOLSTERING	52	114	14	0	128	-76
36	WELDING	281	125	43	220	388	-107
37	AUTOMOTIVE/DIESEL MECHANICS	1197	523	169	771	1463	-266
38	BUSINESS DATA PROCESSING OCCUP	624	928	245	180	1353	-729
	TOTALS	64620	5425	2587	5953	13965	50655

* These program delivery units may not be appropriate for high school training due to age requirements, liability, and licensing requirements

Program Delivery Unit Cost Factors

Table 4 presents the cost factors for each of the program delivery units. As stated previously the cost factors are based on the data from the 1985 "High School Preparatory Vocational Education Program Cost Study" conducted by The Center.

Table 4

Program Delivery Unit Cost Factors

PROGRAM DELIVERY UNIT	ALLOCATED DEMAND	1985 H.S. COMPL.	ADDED COST FACTOR
ACCOUNTING & COMPUTING OCCUP.	5565	940	0.25
ADMINISTRATIVE SUPPORT OCCUP.	11871	1407	0.50
AGRIC. BUSINESS & MANAGEMENT	239	151	0.70
AGRICULTURE MECHANICS	46	106	0.80
AIRCRAFT MECHANICS	223	4	0.70
AUTOMOTIVE BODY REPAIR	155	67	0.65
AUTOMOTIVE/DIESEL MECHANICS	1197	523	0.65
BUILDING MAINTENANCE	814	7	0.90
BUILDING TRADES	5048	134	0.90
BUSINESS DATA PROCESSING OCCUP	624	928	0.50
CHILD CARE & GUIDANCE	903	37	0.70
CLOTHING APPAREL	899	45	0.25
CONSTRUCTION EQUIP. OPERATION	719	13	0.95
COSMETOLOGY	809	62	0.25
DRAFTING	538	84	0.80
ELECTRONICS	2050	43	0.55
FIRE FIGHTING & PREVENTION	108	0	0.50
FOOD SERVICE/CULINARY ARTS	5189	46	0.75
FURNITURE MAKING	25	25	0.85
GRAPHIC/PRINTING/COMM. ART/PHO	657	78	0.75
HEALTH CAREERS (ALLIED HEALTH)	1749	206	0.35
HEATING, AC & SHEET METAL	695	8	0.75
HOME FURNISHINGS	301	0	0.25
HORTICULTURE	434	60	0.80
INSTITUTIONAL HOME	447	0	0.40
LAW ENFORCEMENT	1203	7	0.50
MACHINE TOOL OPERATION	765	20	0.70
MARINE MAINTENANCE	2	0	0.50
MARKETING	17486	102	0.20
NURSING ASSISTANT	768	41	0.80
PLASTICS	268	0	0.60
PRACTICAL NURSE	556	7	1.15
RADIO TV PRODUCTION	329	16	0.60
RENEWABLE NATURAL RESOURCES	56	17	0.80
SMALL ENGINE REPAIR	10	2	0.50
TRUCK AND BUS DRIVING	1539	0	*
UPHOLSTERING	52	114	0.75
WELDING	281	125	0.75

* No data available for determining a cost factor

APPENDIX A - OES Job Titles Ranked on Demand by Program Delivery Unit

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: ACCOUNTING & COMPUTING OCCUP.									
H.S.	55338	Bookkeeping, Accounting, & Auditing Clerks	370	100.00	2122	2122	24094	30929	7
H.S.	58023	Stock Clerks - Stockroom, Warehouse, or Yard	490	100.00	774	774	11102	14396	24
H.S.+	21114	Accountants & Auditors	370	100.00	663	663	8740	11324	31
H.S.	58028	Traffic, Shipping, & Receiving Clerks	490	100.00	426	426	6546	8413	51
H.S.	53102	Tellers	30	50.00	308	616	6208	7777	33
H.S.	53314	Insurance Policy Processing Clerks	380	100.00	136	136	1363	1690	145
H.S.	58099	All Other Material Recording/Scheduling/Dist.	490	100.00	121	121	2191	2624	161
H.S.	58026	Order Fillers, Wholesale & Retail Sales	490	100.00	119	119	2033	2563	164
H.S.	53121	Loan & Credit Clerks	30	50.00	110	219	2418	3016	101
H.S.	55328	Statistical Clerks	370	100.00	107	107	1363	1691	178
H.S.	56002	Billing, Posting, & Calculating Machine Opers.	370	100.00	102	102	1422	1799	183
H.S.	55344	Billing, Cost & Rate Clerks	60	50.00	101	202	2572	3341	111
H.S.	55341	Payroll & Timekeeping Clerks	370	100.00	88	88	39750	2231	199
H.S.	53508	Bill & Account Collectors	30	50.00	76	151	1925	2524	135
H.S.	53311	Insurance Claims Clerks	380	100.00	72	72	812	988	223
H.S.	53105	New Accounts Clerks	30	50.00	58	116	1109	1396	167
H.S.	53126	Statement Clerks	370	100.00	47	47	514	636	277
H.S.	21111	Tax Preparers	370	100.00	41	41	473	649	297
H.S.	55326	Procurement Clerks	490	100.00	22	22	561	721	414
H.S.	53114	Credit Authorizers	30	50.00	19	37	439	564	319
H.S.	53117	Credit Checkers	30	50.00	16	32	399	524	348
H.S.	58017	Weighers/Measurers/Checkers - Recordkeeping	490	100.00	11	11	318	418	512
H.S.	53308	Insurance Examining Clerks	380	100.00	10	10	146	179	520
H.S.	53108	Transit Clerks	30	50.00	9	17	197	242	454
H.S.	53111	Loan Interviewers	30	50.00	7	14	224	280	480
H.S.	53502	Welfare Eligibility Workers & Interviewers	370	0.00	0	58	764	927	0
H.S.	53502	Welfare Eligibility Workers & Interviewers	7035	100.00	0	0	0	0	0
** SUBTOTAL **					5565	6323	117683	101842	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: ADMINISTRATIVE SUPPORT OCCUP.									
H.S.	55347	General Office Clerks	480	100.00	2925	2925	30719	39073	2
H.S.	55100	Secretaries	461	100.00	1703	1703	16026	21478	9
H.S.	55199	Secretaries, Other	461	100.00	1429	1429	15523	18705	13
H.S.	55308	Typists	470	100.00	844	844	9374	11345	21
H.S.	55305	Receptionists & Information Clerks	480	100.00	740	740	8262	10696	27
H.S.+	51002	First Line Supervisors-Clerical & Admin. Support	420	100.00	549	549	8093	10355	40
H.S.	59999	All Other Clerical & Administrative Support	480	100.00	474	474	8908	11324	46
H.S.	57102	Switchboard Operators	480	100.00	430	430	4557	5865	50
H.S.	55102	Legal Secretaries	462	100.00	346	346	2957	4050	67
H.S.	58008	Production, Planning, & Expediting Clerks	440	100.00	292	292	2681	3741	79
H.S.	55321	File Clerks	480	100.00	232	232	2524	3185	95
H.S.	55323	Order Clerks - Materials, Merch., & Service	480	100.00	232	232	2812	3667	96
H.S.	55105	Medical Secretaries	463	100.00	157	157	1828	2268	131
H.S.+	13014	Administrative Services Managers	420	96.67	135	140	2039	2807	147
H.S.	55311	Typists, Word Processing Equipment	470	100.00	132	132	1995	2687	149
H.S.+	53123	Adjustment Clerks	480	100.00	130	130	1464	1836	152
H.S.	56099	All Other Office Machine Operators	480	100.00	100	100	1058	1348	187
H.S.	57302	Mail Clks, Ex. Mail Machine Ops. & Postal Service	480	100.00	91	91	1187	1534	194
H.S.	55314	Personnel Clerks, Exc. Payroll & Timekeeping	440	100.00	88	88	1228	1528	198
H.S.	57108	Central Office Operators	7085	100.00	88	88	844	1002	200
H.S.	21508	Employment Interviewers	440	100.00	82	82	1273	1603	209
H.S.	55302	Stenographers	450	100.00	76	76	1078	1319	219
H.S.	53902	Library Assistants & Bookmobile Drivers	1590	100.00	72	72	1331	1546	224
H.S.+	28311	Title Examiners & Abstractors	1580	100.00	69	69	811	1000	231
H.S.	57105	Directory Assistance Operators	7085	100.00	54	54	532	621	254
H.S.	53914	Real Estate Clerks	480	100.00	47	47	560	684	278
H.S.	55332	Interviewing Clerks, Exc. Personnel & Welfare	480	25.81	47	183	2158	2867	276
H.S.	53702	Court Clerks	450	100.00	45	45	550	657	284
H.S.	31505	Technical Assistants, Library	1590	100.00	40	40	517	599	302
H.S.	57308	Postal Service Clerks	480	100.00	32	32	830	938	349
H.S.+	28305	Paralegal Personnel	1580	50.00	30	59	786	1063	0
H.S.	53708	License Clerks	480	100.00	29	29	384	449	362
H.S.	53505	Investigators, Clerical	480	100.00	27	27	294	410	377
H.S.	56008	Mail Machine Operators, Preparation & Handling	480	100.00	24	24	272	357	399
H.S.	55317	Correspondence Clerks	480	100.00	23	23	269	336	406
H.S.	28308	Title Searchers	1580	100.00	17	17	240	294	451
H.S.	56005	Duplicating Machine Operators	480	100.00	17	17	214	289	456
H.S.	58011	Transportation Agents	60	50.00	14	28	293	399	372
H.S.+	28399	All Other Legal Assistants/Techs., Exc. Clerical	1580	100.00	5	5	93	122	616
H.S.	21502	Claims Takers, Unemployment Benefits	440	100.00	2	2	51	62	674
H.S.	53705	Municipal Clerks	461	100.00	2	2	79	96	681
** SUBTOTAL **					11871	12055	136694	174205	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: AGRIC. BUSINESS & MANAGEMENT									
H.S.	67008	Pest Controllers & Assistants	280	100.00	90	90	985	1396	195
H.S.	49005	Sales Reps., Scientific, Exc. Retail	290	100.00	89	89	1362	1803	197
H.S.+	24502	Biological, Agri., & Food Techs., Exc. Health	230	100.00	48	48	1432	1586	270
H.S.+	43017	Sales Agents, Selected Business Services	500	4.84	8	173	1881	2587	0
H.S.	92932	Dairy Processing Equip. Opers., Incl. Setters	320	100.00	2	2	69	66	695
H.S.	79011	Graders & Sorters, Agricultural Products	270	100.00	1	1	0	0	717
H.S.	89808	Food Batchmakers	320	13.86	1	4	166	158	0
H.S.+	21305	Purchasing Agents & Buyers, Farm Products	290	100.00	0	0	0	0	0
H.S.+	24502	Biological, Agric., & Food Techs., Exc. Health	0	0.00	0	0	0	0	0
H.S.+	30456	Animal Training	0	0.00	0	0	0	0	0
H.S.+	71005	Farmers	190	0.00	0	0	0	0	0
H.S.+	71005	Farmers	230	0.00	0	0	0	0	0
H.S.+	71005	Farmers	250	0.00	0	0	0	0	0
H.S.+	72002	First Line Supervisors - Agric., Forestry & Rel.	190	0.00	0	0	0	0	0
H.S.	72008	Supervisors, Farm Workers	230	100.00	0	0	0	0	0
H.S.	72008	Supervisors, Farm Workers	250	0.00	0	0	0	0	0
H.S.	74002	Farm Workers	230	100.00	0	0	0	0	0
H.S.	74002	Farm Workers	250	0.00	0	0	0	0	0
H.S.	79017	Animal Caretakers, Exc. Farm	20	0.00	0	30	429	548	354
H.S.+	79021	Farm Equipment Operators	0	0.00	0	0	0	0	0
H.S.+	79210	Farm & Ranch Managers, Except Horticulture	230	21.30	0	0	0	0	0
H.S.+	79210	Farm & Ranch Managers, Except Horticulture	250	78.70	0	0	0	0	0
H.S.+	79250	Farmers, Ranchers, Except Horticulture	230	21.30	0	0	0	0	0
H.S.+	79250	Farmers, Ranchers, Except Horticulture	250	78.70	0	0	0	0	0
H.S.	79410	Farm & Ranch Workers	230	21.30	0	0	0	0	0
H.S.	79410	Farm & Ranch Workers	250	78.70	0	0	0	0	0
H.S.	79450	Supervisors of Farms/Ranches	230	21.30	0	0	0	0	0
H.S.	79450	Supervisors of Farms/Ranches	250	78.70	0	0	0	0	0
H.S.	79451	Supervisors, Agriculture - Related	250	100.00	0	0	0	0	0
H.S.+	79999	All Other Agri., Forestry, Fishing, & Related	0	0.00	0	0	0	0	0
H.S.	79999	All Other Agri., Forestry, Fishing, & Related	0	0.00	0	0	0	0	0
H.S.+	81008	First Line Mgrs./Supers. - Production & Opers.	0	0.00	0	0	0	0	0
H.S.+	81008	First Line Mgrs./Supers. - Production & Opers.	0	0.00	0	0	0	0	0
H.S.	81008	First Line Mgrs./Supers. - Production & Opers.	0	0.00	0	0	0	0	0
H.S.	81008	First Line Mgrs./Supers. - Production & Opers.	0	0.00	0	0	0	0	0
H.S.	97999	All Other Material Moving Equipment Operators	0	0.00	0	0	0	0	0
H.S.+	98902	Hand Packers & Packagers	0	0.00	0	0	0	0	0
** SUBTOTAL **					239	437	6324	8144	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: AGRICULTURE MECHANICS									
H.S.	87817	Fence Erectors	200	100.00	42	42	598	775	294
H.S.	85321	Farm Equipment Mechanics	210	100.00	4	4	99	127	637
H.S.	22599	All Other Engineering & Related Technicians	220	0.00	0	0	0	0	0
H.S.+	22599	All Other Engineering & Related Technicians	220	0.00	0	0	0	0	0
H.S.+	49005	Sales Reps., Scientific, Exc. Retail	290	0.00	0	0	0	0	0
H.S.	49008	Other Sales Representatives, Exc. Retail	290	0.00	0	0	0	0	0
H.S.	79021	Farm Equipment Operators	210	100.00	0	0	0	0	0
** SUBTOTAL **					46	46	697	902	

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NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: AIRCRAFT MECHANICS									
H.S.	85323	Aircraft Mechanics	2050	100.00	94	94	1636	2030	192
H.S.	93102	Aircraft Assemblers - Precision	2050	100.00	72	72	431	649	225
H.S.+	22599	All Other Engineering & Related Technicians	1520	22.02	40	181	2657	3501	306
H.S.	85326	Aircraft Engine Specialists	2050	100.00	17	17	165	234	457
** SUBTOTAL **					223	364	4889	6414	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: AUTOMOTIVE BODY REPAIR									
H.S.	85305	Automotive Body & Related Repairers	2060	100.00	120	120	1938	2432	162
H.S.	92947	Painters, Transportation Equipment	2060	100.00	35	35	488	624	334
** SUBTOTAL **					155	155	2426	3056	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: AUTOMOTIVE/DIESEL MECHANICS									
H.S.	85302	Automotive Mechanics	160	100.00	559	559	10166	12422	37
H.S.	85311	Bus & Truck Mechs., & Diesel Eng. Specialists	2070	100.00	219	219	3720	4664	103
H.S.+	81002	First Line Mgrs./Suprs.-Mechs./Instllrs./Reprs.	1680	100.00	170	170	2646	3295	126
H.S.+	81011	First Line Mgrs./Supers. - Transport. Operatives	1680	100.00	67	67	841	1060	235
H.S.	85314	Mobile Heavy Equip. Mechanics, Exc. Engines	1940	100.00	64	64	775	953	243
H.S.	85953	Tire Repairers & Changers	160	100.00	50	50	948	1127	264
H.S.	98102	Mechanic & Repairer Helpers	7155	100.00	45	45	699	904	286
H.S.	85317	Rail Car Repairers	1940	100.00	23	23	336	406	408
** SUBTOTAL **					1197	1197	20131	24831	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: BUILDING MAINTENANCE									
H.S.	85132	Maintenance Repairers, General Utility	1780	100.00	775	775	12653	15944	23
H.S.	95032	Stationary Engineers	1780	85.24	28	33	603	730	368
H.S.	85938	Installers/Repairers-Manufactured Buildings	1780	100.00	11	11	259	326	513
** SUBTOTAL **					814	819	13515	17000	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: BUILDING TRADES									
H.S.+	87102	Carpenters	1750	100.00	1120	1120	12369	15886	17
H.S.+	87202	Electricians	1760	100.00	543	543	7689	9238	41
H.S.+	81005	First Line Mgrs./Suprs.-Const. Trades & Extract.	1680	100.00	442	442	5055	6683	47
H.S.+	87502	Plumbers, Pipefitters, & Steamfitters	1890	100.00	397	397	5248	6707	57
H.S.	98312	Helpers-Carpenters & Related	1750	100.00	313	313	3268	4468	75
H.S.	87402	Painters & Paperhangers - Construct. & Maintenance	1850	100.00	249	249	3832	4861	85
H.S.	87311	Concrete & Terrazzo Finishers	1880	100.00	232	232	3166	4130	97
H.S.	87808	Roofers	1870	100.00	154	154	2806	3604	133
H.S.	98319	Helpers - All Other Construction Trades	1800	100.00	153	153	2575	3140	134
H.S.+	87302	Brick Masons	1730	100.00	142	142	2468	3080	142
H.S.	89311	Cabinetmakers & Bench Carpenters	2270	100.00	123	123	1685	2175	158
H.S.	87108	Drywall Installers	1810	100.00	115	115	2171	2770	169
H.S.	87508	Pipelayers	1890	100.00	114	114	877	1062	170
H.S.	98311	Helpers - Brick & Stone Masons	1730	100.00	114	114	2145	2749	172
H.S.	87111	Tapers	1810	100.00	102	102	1604	2029	186
H.S.	98313	Helpers - Electricians & Powerline Installers	1760	100.00	73	73	1104	1397	222
H.S.	98315	Helpers - Plumbers, Pipefitters, & Steamfitters	1890	100.00	71	71	1454	1839	227
H.S.	87317	Plasterers & Stucco Masons	1860	100.00	58	58	1349	1688	250
H.S.	85702	Telephone & Cable TV Line Installers/Repairers	1760	50.00	56	112	2434	2900	173
H.S.	98314	Helpers - Painters, Paperhangers, & Plasterers	1850	100.00	51	51	964	1251	262
H.S.	87114	Lathers	1860	100.00	41	41	893	1119	300
H.S.	87811	Glaziers	1830	100.00	40	40	719	911	305
H.S.	83005	Production Inspectors, Testers & Graders	120	13.64	38	277	3175	4257	314
H.S.	87308	Hard Tile Setters	1730	100.00	36	36	517	676	327
H.S.	92308	Sawing Machine Operators & Tenders	2270	100.00	36	36	545	702	329
H.S.+	21908	Construction & Building Inspectors	1800	100.00	32	32	570	681	347
H.S.	98316	Helpers - Roofers	1870	100.00	29	29	478	628	365
H.S.+	87802	Insulation Workers	1840	100.00	28	28	798	994	374
H.S.	92314	Woodworking Mach. Opers. & Tenders, Exc. Sawing	2270	100.00	27	27	392	508	380
H.S.	87305	Stone Masons	1730	100.00	21	21	214	299	422
H.S.	85723	Electrical Powerline Installers & Repairers	1760	100.00	20	20	414	341	432
H.S.	89308	Wood Machinists	2270	50.00	18	36	425	526	328
H.S.	92311	Woodworking Machine Set-Up Opers., Exc. Sawing	2270	100.00	16	16	203	265	469
H.S.	83002	Precision Inspectors, Testers & Graders	120	2.27	9	415	4237	6083	525
H.S.	89399	All Other Precision Woodworkers	2270	84.96	8	9	113	155	565
H.S.	87505	Pipelaying Fitters	1890	100.00	7	7	135	53	578
H.S.	87511	Septic Tank Servicers & Sewer Pipe Cleaners	1890	100.00	7	7	86	113	579
H.S.	87605	Floor Layers, Exc. Carpet, Wood, & Hard Tiles	1800	100.00	5	5	86	117	621
H.S.	87105	Ceiling Tile Installers/Accoustical Carpenters	1750	100.00	3	3	236	297	662
H.S.	93911	Glaziers, Manufacturing	1830	100.00	3	3	77	98	666
H.S.	85911	Electric Meter Installers & Repairers	1760	100.00	2	2	97	114	687
H.S.	85935	Riggers	2290	0.00	0	4	122	55	648

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: BUILDING TRADES - Continued									
H.S.+	87102	Carpenters	200	0.00	0	1120	12369	15886	0
H.S.	87121	Brattice Builders	1750	100.00	0	0	0	0	0
H.S.+	87202	Electricians	200	0.00	0	543	7689	9238	0
H.S.	87608	Floor Sanding Machine Operators	1800	100.00	0	0	29	35	0
H.S.	87899	All Other Construction Trades Workers	1800	0.00	0	21	468	605	0
** SUBTOTAL **					5048	7456	99350	126413	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: BUSINESS DATA PROCESSING OCCUPATIONS									
H.S.	56017	Data Entry Keyers, Exc. Composing	400	100.00	295	295	4625	6134	78
H.S.	56011	Computer Operators, Exc. Peripheral Equipment	390	100.00	170	170	2718	3551	125
H.S.	56014	Peripheral EDP Equipment Operators	410	100.00	123	123	1454	1787	157
H.S.	25108	Computer Programmer Aides	40	100.00	36	36	583	787	323
H.S.	56021	Data Keyers, Composing	2140	0.00	0	100	1169	1443	0
** SUBTOTAL **					624	724	10549	13702	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: CHILD CARE & GUIDANCE									
H.S.	53905	Teacher Aides & Ed. Assistants, Clerical	1210	100.00	705	705	8883	10269	28
H.S.	68038	Child Care Workers	1190	50.00	196	392	3378	4393	58
H.S.+	27311	Recreation Workers	1190	1.65	2	100	1390	1725	703
H.S.+	27311	Recreation Workers	500	0.00	0	100	1390	1725	0
H.S.+	31521	Teacher Aides, Paraprofessional	1210	100.00	0	0	0	0	0
H.S.	62041	Child Care Workers, private household	1190	50.00	0	0	0	0	0
** SUBTOTAL **					903	1297	15041	18112	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: CLOTHING APPAREL									
H.S.	92717	Sewing Machine Operators, Garment	1220	100.00	346	346	2647	3564	69
H.S.	49008	Other Sales Representatives, Exc. Retail	70	50.00	204	408	4858	6496	0
H.S.	49011	Salespersons, Retail	70	5.96	180	3020	35958	46934	0
H.S.	89505	Custom Tailors & Sewers	1230	100.00	37	37	468	635	320
H.S.	92728	Pressing Machine Opers. - Textile & Garments	1220	71.85	34	47	547	749	341
H.S.	92705	Textile Mach. Opers. - Winding/Weaving/Cuttting	1220	100.00	23	23	235	321	411
H.S.	89517	Pressers, Delicate Fabrics	1230	100.00	16	16	194	265	468
H.S.	68032	Wardrobe, Locker, & Dressing Room Attendants	1230	100.00	14	14	184	254	481
H.S.	83005	Production Inspectors, Testers & Graders	1220	4.35	12	277	3175	4257	495
H.S.	93999	All Other Hand Workers	1220	3.88	9	238	3352	4339	526
H.S.	89514	Spotters, Dry Cleaning	1690	100.00	8	8	93	126	558
H.S.+	81008	First Line Mgrs./Supers. - Production & Opers.	1220	1.69	6	368	5571	7608	586
H.S.	21302	Wholesale & Retail Buyers, Exc. Farm Products	70	3.20	5	142	1838	2374	0
H.S.	85956	Menders - Garments, Linens, & Related	1230	100.00	3	3	83	103	661
H.S.	89521	Precision Dyers	1690	100.00	1	1	0	0	727
H.S.	93923	Sewers, Hand	1220	100.00	1	1	37	48	731
H.S.+	13011	Marketing, Advertising & Public Rel. Mgrs.	580	0.00	0	153	2207	3073	0
H.S.	34044	Merchandise Displayers & Window Trimmers	570	0.00	0	13	158	214	0
H.S.	89502	Fabric & Apparel Layout & Patternmakers	1220	100.00	0	0	0	0	0
H.S.	89599	All Other Precision Textile & Apparel Workers	1220	100.00	0	0	0	0	0
** SUBTOTAL **					899	5115	61605	81360	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: CONSTRUCTION EQUIP. OPERATION									
H.S.	97956	Operating Engineers	2290	92.22	352	382	2855	3733	66
H.S.	97999	All Other Material Moving Equipment Operators	2300	100.00	114	114	2187	2601	171
H.S.	97938	Grader, Dozer, & Scraper Operators	2290	100.00	59	59	707	882	248
H.S.	87708	Paving, Surfacing & Tamping Equip. Opers.	2290	100.00	43	43	461	609	292
H.S.	93956	Assemblers/Fabricators-Exc. Mach., Elect., Preci	2260	8.60	36	424	5464	7444	322
H.S.	97951	Conveyor Operators & Tenders	2300	100.00	30	30	330	434	356
H.S.	87899	All Other Construction Trades Workers	1800	100.00	21	21	468	605	423
H.S.	97944	Crane & Tower Operators	2300	84.66	15	18	352	427	471
H.S.+	87702	Air Hammer Operators	2290	100.00	12	12	153	202	501
H.S.	87902	Earth Drillers, Exc. Oil & Gas	2310	53.66	12	23	246	346	497
H.S.	87902	Earth Drillers, Exc. Oil & Gas	2290	46.34	11	23	246	346	516
H.S.	87714	Rail-Track Laying & Maintenance Equip. Operators	2290	100.00	6	6	137	141	600
H.S.	85935	Riggers	2290	75.41	3	4	122	55	0
H.S.	97944	Crane & Tower Operators	2290	15.34	3	18	352	427	670
H.S.	97941	Hoist & Winch Operators	2300	83.33	2	3	180	212	673
H.S.	87705	Pile Driving Operators	2290	100.00	0	0	0	0	0
H.S.	87999	All Other Const. & Extractive, Exc. Helpers	2290	0.00	0	35	590	780	0
H.S.+	97902	Longshore Equipment Operators	2300	100.00	0	0	0	0	0
H.S.	97926	Dragline Operators	2310	5.56	0	1	36	47	0
H.S.+	98702	Stevedores, Exc. Equipment Operators	2300	100.00	0	0	0	0	0
** SUBTOTAL **					719	1216	14886	19291	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: COSMETOLOGY									
H.S.	68005	Hairdressers, Hairstylists, & Cosmetologists	1700	100.00	751	751	6005	8168	26
H.S.	68008	Manicurists	1700	100.00	51	51	426	590	260
H.S.	68011	Shampooers	7105	100.00	7	7	63	87	574
** SUBTOTAL **					809	809	6494	8845	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: DRAFTING									
H.S.+	22514	Drafters	90	100.00	372	372	5230	7176	61
H.S.+	21902	Cost Estimators	90	77.92	166	213	2065	2747	128
** SUBTOTAL **					538	585	7295	9923	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: ELECTRONICS									
H.S.	93114	Electrical/Electronic Equip. Assemblers - Prec.	110	65.69	695	1058	9975	15414	29
H.S.+	22505	Electrical & Electronic Engineering Techs.	100	100.00	551	551	8259	11663	39
H.S.	92902	Electronic Semiconductor Processors	110	100.00	214	214	2945	4706	107
H.S.	83002	Precision Inspectors, Testers & Graders	100	30.02	125	415	4237	6083	156
H.S.	93905	Electrical & Electronic Assemblers	110	38.27	118	308	2597	3959	166
H.S.	85705	Data Processing Equipment Repairers	110	100.00	78	78	1113	1392	217
H.S.	85926	Office Machine & Cash Register Servicers	110	100.00	55	55	876	1076	252
H.S.	83005	Production Inspectors, Testers & Graders	110	13.89	38	277	3175	4257	308
H.S.	85708	Electronic Home Entertainment Equipment Repairers	1900	100.00	36	36	590	779	326
H.S.+	22599	All Other Engineering & Related Technicians	100	15.77	29	181	2657	3501	367
H.S.	85726	Station Installers & Repairers, Telephone	1900	100.00	24	24	495	580	400
H.S.	85947	Coin & Vending Machine Servicers & Repairers	1910	100.00	19	19	368	459	441
H.S.	93908	Coil Winders, Tapers, & Finishers	110	100.00	19	19	202	314	444
H.S.	85505	Frame Wirers, Central Office	1900	50.00	17	34	763	893	0
H.S.	85502	Central Office & PBX Installers & Repairers	1900	50.00	15	30	546	640	0
H.S.	85514	Radio Mechanics	1900	50.00	9	17	382	456	0
H.S.+	39008	Radio Operators	1900	100.00	7	7	137	166	572
H.S.	85511	Signal or Track Switch Maintainers	1900	50.00	1	1	40	52	0
H.S.+	85508	Telegraph & Teletype Installers	1900	50.00	0	0	0	0	0
** SUBTOTAL **					2050	3324	39357	56390	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: FIRE FIGHTING & PREVENTION									
H.S.	63008	Fire Fighters	1720	100.00	106	106	2233	2620	180
H.S.+	63002	Fire Inspectors	1610	100.00	2	2	97	116	682
** SUBTOTAL **					108	108	2330	2736	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: FOOD SERVICE/CULINARY ARTS									
H.S.	65008	Waiters & Waitresses	710	50.00	1635	3269	27165	36236	1
H.S.	65038	Food Preparation Workers	1260	100.00	1473	1473	14789	19107	12
H.S.	65026	Cooks, Restaurant	1260	100.00	874	874	8510	11380	20
H.S.	65032	Cooks, Specialty Fast Food	1260	100.00	382	382	3948	5162	59
H.S.	65028	Cooks, Institution or Cafeteria	1260	100.00	218	218	3238	3919	105
H.S.	65002	Hosts/Hostesses-Restaurant, Lounge, or Coff Sho	710	50.00	157	313	2639	3546	74
H.S.	65000	Food & Beverage Service Occupations	1260	100.00	104	104	1119	1465	181
H.S.	65023	Butchers & Meat Cutters	2170	100.00	98	98	1518	1924	189
H.S.	65021	Bakers, Bread & Pastry	1260	100.00	84	84	900	1174	207
H.S.	32523	Dietetic Technicians	1270	100.00	52	52	598	752	0
H.S.	89805	Bakers, Manufacturing	1260	100.00	38	38	476	574	312
H.S.+	61099	All Other Service Supervisors & Mgr./Supervisors	1260	15.00	34	225	2447	3199	340
H.S.	92965	Crushing, Grinding, & Mixing Machine Operators	1265	6.39	10	151	2020	2597	527
H.S.	65035	Cooks, Short Order	1260	100.00	9	9	165	217	539
H.S.	83005	Production Inspectors, Testers & Graders	1260	2.71	8	277	3175	4257	561
H.S.	89802	Slaughterers & Butchers	2180	100.00	4	4	183	180	638
H.S.	89899	All Other Precision Food & Tobacco Workers	1265	100.00	4	4	67	86	639
H.S.	89808	Food Batchmakers	1265	86.14	3	4	166	158	649
H.S.	92921	Roasting, Baking & Drying Mach. Opers., Food	1265	49.57	1	2	117	109	0
H.S.	93938	Meat, Poultry, & Fish Cutters - Hand	2170	100.00	1	1	90	89	732
H.S.+	15026	Food Service & Lodging Managers	520	0.00	0	730	7277	9719	35
H.S.+	15026	Food Service & Lodging Managers	500	0.00	0	730	7277	9719	0
H.S.	24505	Chemical Techs., Exc. Health	1460	0.93	0	25	432	543	0
H.S.	92917	Cooking Machine Operators & Tenders, Food	1265	0.00	0	0	58	58	0
** SUBTOTAL **					5189	9067	88374	116170	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: FURNITURE MAKING									
H.S.*	89308	Wood Machinists	2270	50.00	18	36	425	526	0
H.S.	89314	Furnitures Finishers	2260	100.00	6	6	172	223	601
H.S.	89399	All Other Precision Woodworkers	2260	15.04	1	9	113	155	704
** SUBTOTAL **					25	51	710	904	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: GRAPHIC/PRINTING/COMM. ART/PHO									
H.S.+	34038	Designers, Exc. Interior Designers	2130	94.00	122	130	1879	2532	159
H.S.	56021	Data Keyers, Composing	2140	100.00	100	100	1169	1443	0
H.S.+	34035	Artists & Related Workers	2130	100.00	66	66	863	1167	239
H.S.	92543	Printing Press Machine Operators & Tenders	2140	100.00	48	48	809	1060	275
H.S.	92908	Photographic Processing Mach. Opers. & Tenders	80	100.00	46	46	538	751	282
H.S.+	92512	Offset Lithographic Press Setters & Set-Up Opers.	2140	100.00	39	39	554	708	307
H.S.	34023	Photographers	80	100.00	35	35	577	756	331
H.S.	92541	Typesetting & Composing Mach. Opers. & Tenders	2140	100.00	29	29	342	441	363
H.S.	92546	Bindery Machine Operators	2120	100.00	24	24	422	540	401
H.S.	92515	Letter Press Setters & Set-Up Operators	2140	100.00	23	23	417	530	410
H.S.	89708	Precision Lithography & Photoengraving Workers	2140	100.00	17	17	414	521	460
H.S.+	89705	Job Printers	2140	100.00	13	13	198	254	491
H.S.+	89702	Precision Compositors/Typesetters/Arrangers	2140	100.00	12	12	241	309	502
H.S.	92524	Screen Printing Mach. Setters & Set-Up Opers.	2140	100.00	12	12	140	222	503
H.S.	92545	Photoengraving & Lithographing Machine Opers.	2140	100.00	12	12	173	240	504
H.S.	89799	All Other Precision Printing Workers	2140	100.00	10	10	148	188	522
H.S.+	92525	Bindery Machine Setters & Set-Up Operators	2120	100.00	9	9	147	186	545
H.S.	53911	Proofreaders & Copy Makers	2140	100.00	7	7	195	254	573
H.S.	89914	Precision Photographic Process Workers	80	100.00	6	6	99	138	602
H.S.	92521	Photoengraving & Lithographing Photographers	2140	100.00	6	6	189	243	603
H.S.+	92529	All Other Printing Related Setters & Set-Up Opers	2140	100.00	6	6	177	205	604
H.S.	92549	All Other Printing & Related Machine Opers.	2140	100.00	4	4	96	120	641
H.S.	93951	Engraving & Printing Workers, Hand	2140	100.00	4	4	62	87	643
H.S.+	92510	Printing Press Machine Setters & Set-Up Opers.	2140	100.00	3	3	55	83	664
H.S.	89711	Bookbinders	2120	100.00	2	2	43	56	691
H.S.	92522	Speciality Matls. Printing Mach. Set-Up Opers.	2140	100.00	2	2	33	52	693
H.S.	89128	Precision Etchers & Engravers	2140	100.00	0	0	0	0	0
H.S.	92519	All Other Printing Press Set-Up Operators	2140	100.00	0	0	0	0	0
** SUBTOTAL **					657	665	9980	13086	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: HEALTH CAREERS (ALLIED HEALTH)									
H.S.+	32999	All Other Paraprof., Professionals, & Techs.	830	100.00	320	320	3429	4438	73
H.S.+	66002	Dental Assistants	800	100.00	213	213	2164	2662	108
H.S.	66005	Medical Assistants	980	100.00	187	187	2122	2626	117
H.S.	55332	Interviewing Clerks, Exc. Personnel & Welfare	1030	74.19	136	183	2158	2867	146
H.S.+	32902	Medical & Clinical Laboratory Technologists	940	100.00	121	121	1704	2075	160
H.S.+	89917	Precision Optical Goods Workers	140	100.00	93	93	941	1338	193
H.S.+	32905	Medical & Clinical Laboratory Technicians	910	100.00	71	71	1099	1373	228
H.S.	32302	Respiratory Therapists	890	100.00	52	52	741	911	257
H.S.	66017	Physical & Corrective Therapy Assists./Aides	1080	100.00	50	50	581	732	263
H.S.+	32917	Radio Technologists	880	100.00	48	48	714	872	273
H.S.+	32921	Radiologic Technicians	880	100.00	45	45	708	881	283
H.S.+	32928	Surgical Technicians	900	100.00	40	40	589	735	303
H.S.+	32911	Medical Records Technicians & Technologists	1010	100.00	36	36	521	621	324
H.S.	66026	Pharmacy Assistants	1020	100.00	35	35	462	573	333
H.S.	66011	Home Health Aides	1040	100.00	34	34	468	624	338
H.S.+	32508	Emergency Medical Technicians	860	100.00	33	33	375	480	342
H.S.	66014	Psychiatric Aides	960	100.00	33	33	365	465	343
H.S.	66099	All Other Health Service Workers	830	100.00	31	31	577	732	351
H.S.+	89921	Precision Dental Laboratory Technicians	820	100.00	31	31	488	603	352
H.S.	79017	Animal Caretakers, Exc. Farm	20	100.00	30	30	429	548	0
H.S.	66021	Occupational Therapy Assistants & Aides	1120	100.00	27	27	289	367	378
H.S.+	32514	Opticians, Dispensing & Measuring	1060	100.00	26	26	420	537	387
H.S.+	32926	Electrocardiograph Techs.	840	100.00	12	12	184	227	498
H.S.+	39011	Funeral Directors & Morticians	1370	100.00	11	11	175	236	511
H.S.	68041	Funeral Attendants	7105	100.00	9	9	107	146	540
H.S.+	32199	All Other Health Diag./Treating Practitioners	7070	100.00	6	6	80	100	594
H.S.+	32317	Recreational Therapists	1080	100.00	6	6	116	140	595
H.S.+	32923	Electroencephalograph Technicians & Technologists	850	100.00	6	6	139	160	596
H.S.+	13014	Administrative Services Managers	1030	3.33	5	140	2039	2807	626
H.S.+	66023	Ambulance Drivers/Attdts.-Ex. Emer. Med. Techs.	860	100.00	2	2	43	53	683
H.S.+	32311	Corrective & Manual Arts Therapists	1080	100.00	0	0	36	44	0
H.S.	32523	Dietetic Technicians	1270	0.00	0	52	598	752	258
H.S.	55105	Medical Secretaries	463	0.00	0	157	1828	2268	0
H.S.+	68035	Social Welfare Service Aides	1340	0.00	0	45	602	750	285
** SUBTOTAL **					1749	2185	27291	34743	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: HEATING, AC & SHEET METAL									
H.S.	85902	Heating, Air Cond., & Refrig. Mechs. & Installers	130	100.00	212	212	3289	4267	109
H.S.	89132	Sheet Metal Workers	2210	100.00	177	177	2921	3760	120
H.S.	93956	Assemblers/Fabricators-Exc. Mach., Elect., Preci	2210	14.82	63	424	5464	7444	246
H.S.+	85714	Electric Motor, Transformer, & Related Repairers	1910	100.00	48	48	699	897	274
H.S.	87814	Structural Metal Workers	1800	100.00	47	47	855	1007	280
H.S.	85711	Electric Home Appliance & Power Tool Repairers	1910	100.00	40	40	677	894	304
H.S.	91714	Metal Fabricators, Structural Metal Products	2210	50.00	21	41	664	856	426
H.S.	95023	Auxiliary Equipment Operators, Power	170	100.00	19	19	266	326	445
H.S.	87314	Reinforcing Metal Workers	1800	100.00	17	17	313	388	459
H.S.	93197	All Other Precision Assemblers, Metal	2210	100.00	15	15	208	269	477
H.S.	95021	Power Generating Plant Opers., Exc. Aux. Equip.	170	100.00	13	13	242	290	492
H.S.	83005	Production Inspectors, Testers & Graders	2210	2.46	7	277	3175	4257	587
H.S.	83002	Precision Inspectors, Testers & Graders	2210	1.32	5	415	4237	6083	607
H.S.	95032	Stationary Engineers	170	14.76	5	33	603	730	627
H.S.	85944	Gas Appliance Repairers	1910	100.00	3	3	76	101	660
H.S.	87805	Sheet Metal Duct Installers	130	100.00	1	1	0	0	722
H.S.+	92197	All Other Metal & Plastic Machine Set-Up Opers.	2210	27.27	1	2	66	88	0
H.S.	97926	Dragline Operators	2290	91.67	1	1	36	47	0
H.S.+	85721	Powerhouse Substation & Relay Electrician	170	100.00	0	0	0	0	0
H.S.	92198	All Other Metal & Plastic Machine Operators	2210	0.35	0	38	567	764	0
** SUBTOTAL **					695	1823	24358	32468	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: HOME FURNISHINGS									
H.S.	49999	All Other Sales & Related Workers	1290	5.52	176	3183	38401	48854	121
H.S.	92721	Sewing Machine Operators, Non-Garment	1290	100.00	84	84	913	1232	208
H.S.+	24599	All Other Physical & Life Science Techs.	1500	100.00	23	23	486	592	403
H.S.	21302	Wholesale & Retail Buyers, Exc. Farm Products	1300	5.60	8	142	1838	2374	562
H.S.+	34038	Designers, Exc. Interior Designers	10	2.00	3	130	1879	2532	0
H.S.+	34041	Interior Designers	1300	100.00	2	2	53	73	679
H.S.	89508	Upholsterers	1290	4.03	2	51	596	824	668
H.S.	93928	Portable Machine Cutters	1220	100.00	2	2	29	43	706
H.S.	93999	All Other Hand Workers	1290	0.39	1	238	3352	4339	0
H.S.+	89911	Precision Detail Design Decorators & Painters	2130	0.00	0	7	169	226	0
** SUBTOTAL **					301	3862	47716	61089	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: HORTICULTURE									
H.S.	79014	Gardeners & Groundskeepers, Exc. Farm	300	100.00	431	431	4267	5624	49
H.S.+	34038	Designers, Exc. Interior Designers	10	2.00	3	130	1879	2532	563
H.S.+	15017	Construction Managers	0	0.00	0	0	0	0	0
H.S.	49008	Other Sales Representatives, Exc. Retail	0	0.00	0	0	0	0	0
H.S.	79005	Nursery Workers	300	100.00	0	0	0	0	0
H.S.	79014	Gardeners & Groundskeepers, Exc. Farm	0	0.00	0	0	0	0	0
H.S.	79014	Gardeners & Groundskeepers, Exc. Farm	0	0.00	0	0	0	0	0
H.S.+	79211	Managers, Horticultural Speciality	300	100.00	0	0	0	0	0
H.S.+	79251	Horticultural Speciality Farmer	300	100.00	0	0	0	0	0
H.S.	79412	Nursery Workers	300	100.00	0	0	0	0	0
H.S.+	79999	All Other Agri., Forestry, Fishing, & Related	0	0.00	0	0	0	0	0
H.S.	85321	Far Equipment Mechanics	0	0.00	0	0	0	0	0
H.S.	87899	All Other Construction Trades Workers	0	0.00	0	0	0	0	0
** SUBTOTAL **					434	561	6146	8156	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: INSTITUTIONAL HOME									
H.S.	68038	Child Care Workers	1190	50.00	196	392	3378	4393	0
H.S.	67099	All Other Cleaning/Bldg. Serv., Ex. Priv. House	1320	100.00	118	118	1540	1914	165
H.S.	61008	Housekeepers	1320	100.00	81	81	1063	1374	213
H.S.+	68035	Social Welfare Service Aides	1340	100.00	45	45	602	750	0
H.S.+	61099	All Other Service Supervisors & Mgr./Supervisors	1320	3.06	7	225	2447	3199	588
H.S.	42021	Cooks, Private Household	1320	0.00	0	0	0	0	0
H.S.	62011	Launderers & Ironers	1320	100.00	0	0	0	0	0
H.S.	62021	Cooks, Private Household	1320	100.00	0	0	0	0	0
H.S.	62041	Child Care Workers, private household	1190	50.00	0	0	0	0	0
H.S.	62061	Cleaners & Servants, private household	1320	100.00	0	0	0	0	0
** SUBTOTAL **					447	861	9030	11630	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: LAW ENFORCEMENT									
H.S.	63047	Guards & Watch Guards	180	100.00	638	638	9268	12584	32
H.S.	63017	Correction Officers & Jailers	180	100.00	308	308	3221	3850	76
H.S.+	63014	Police Patrol Officers	180	100.00	241	241	4793	5646	90
H.S.	63032	Sheriffs & Deputy Sheriffs	180	100.00	16	16	345	414	466
H.S.+	63021	Parking Enforcement Officers	180	100.00	0	0	0	0	0
** SUBTOTAL **					1203	1203	17627	22494	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: MACHINE SHOP									
H.S.+	89108	Machinists	2200	100.00	346	346	4347	5625	68
H.S.+	89102	Tool & Die Makers	2200	100.00	64	64	743	1026	0
H.S.+	91117	Mach. Tool Cutting Opers./Tenders-Mtl. & Plast.	2030	50.00	58	116	1576	2047	0
H.S.+	83002	Precision Inspectors, Testers & Graders	2200	12.20	51	415	4237	6083	0
H.S.+	83005	Production Inspectors, Testers & Graders	2200	18.49	51	277	3175	4257	0
H.S.+	91502	Numerical Control Mach. Tool Opers.-Metal/Plast.	2200	50.00	27	53	538	711	382
H.S.	91917	Electrolytic Coating Set-Up Opers.-Metal/Plast.	7125	100.00	26	26	332	475	0
H.S.	91714	Metal Fabricators, Structural Metal Products	2210	50.00	21	41	664	856	427
H.S.	91105	Lathe/Turning Mach. Set-Up Opers.-Mil. & Plast.	2200	50.00	20	39	430	566	435
H.S.	91114	Grind. & Buff. Mach. Set-Up Opers.-Metal/Plast.	2200	50.00	19	38	487	625	0
H.S.	89111	Tool Grinders, Filers, Sharpeners (Precision)	2200	100.00	18	18	268	370	450
H.S.+	91505	Combination Mach. Tool Set-Up Opers.-Mil./Plast.	2200	50.00	14	27	306	579	485
H.S.	91508	Combination Machine Tool Opers.-Metal & Plastic	2200	50.00	14	27	376	579	0
H.S.	91111	Mill./Planning Mach. Set-Up Opers.-Mill. & Plast.	2200	50.00	10	19	198	267	529
H.S.	91108	Drill./Boring Mach. Set-Up Opers.-Mil & Plast.	2200	50.00	8	16	207	272	548
H.S.	91102	Sawing Mach. Tool Set-Up Opers. - Mil. & Plast.	2200	50.00	5	10	142	188	523
H.S.	91932	Heat Treating/Tempering Mach. Opers.-Mil./Plast.	2200	50.00	5	10	142	195	0
H.S.	91314	Rolling Mach. Set-Up Opers. - Metal & Plastic	2200	50.00	2	3	56	71	0
H.S.	92198	All Other Metal & Plastic Machine Operators	2200	5.11	2	38	567	764	0
H.S.	91317	Forging Mach. Set-Up Opers. - Metal & Plastic	2200	50.00	1	1	26	42	0
H.S.	91928	Heating Equip. Set-Up Opers.-Metal & Plastic	2200	50.00	1	1	31	48	0
H.S.+	92197	All Other Metal & Plastic Machine Set-Up Opers.	2200	30.30	1	2	66	88	0
H.S.+	92944	Cutting & Slicing Machine Operators & Tenders	2150	10.48	1	10	334	394	0
** SUBTOTAL **					765	1597	19248	26128	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: MARINE MAINTENANCE									
H.S.	85116	Machinery Maintenance Mechanics, Marine Equipment	2340	100.00	2	2	50	61	686
H.S.	85311	Bus & Truck Mechs., & Diesel Eng. Specialists	2070	0.00	0	219	3720	4664	0
H.S.+	89121	Shipfitters	2340	100.00	0	0	0	0	0
H.S.+	97502	Captains, Water Vessel	2330	100.00	0	0	0	0	0
H.S.+	97505	Mates, Ship, Boat & Barge	2330	100.00	0	0	0	0	0
H.S.+	97511	Motorboat Operators	2330	100.00	0	0	0	0	0
H.S.	97514	Able Seamen	2330	100.00	0	0	0	0	0
H.S.	97517	Ordinary Seaman and Marine Oilers	2330	100.00	0	0	0	0	0
H.S.	97928	Dredge Operators & Dipper Tenders	2330	100.00	0	0	0	0	0
** SUBTOTAL **					2	221	3770	4725	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: MARKETING									
H.S.	49999	All Other Sales & Related Workers	650	82.49	2626	3183	38401	48854	3
H.S.	49011	Salespersons, Retail	650	71.43	2157	3020	35958	46934	6
H.S.	65008	Waiters & Waitresses	710	50.00	1635	3269	27165	39236	0
H.S.+	41002	First Line Supervisors & Manager/Supervisors-Sale	650	67.71	1362	2012	24878	31819	14
H.S.	49023	Cashiers	650	66.53	1329	1997	20203	25974	15
H.S.	49023	Cashiers	610	33.47	668	1997	20203	25974	30
H.S.+	15026	Food Service & Lodging Managers	520	90.08	658	730	7277	9719	0
H.S.	49011	Salespersons, Retail	610	16.66	503	3020	35958	46934	44
H.S.+	19999	All Other Managers & Administrators	650	20.12	434	2157	27144	34263	48
H.S.+	41002	First Line Supervisors & Manager/Supervisors-Sale	610	20.20	406	2012	24878	31819	54
H.S.	49021	Stock Clerks, Sales Floor	610	72.03	398	553	8315	10705	55
H.S.	49999	All Other Sales & Related Workers	760	11.99	382	3183	38401	48854	60
H.S.	53102	Tellers	30	50.00	308	616	6208	7777	0
H.S.	97117	Driver/Sales Workers	650	50.00	274	548	9065	11347	81
H.S.	49017	Counter & Rental Clerks	650	93.94	262	279	2457	3468	82
H.S.	97805	Service Station Attendants	760	100.00	246	246	4925	5643	88
H.S.+	41002	First Line Supervisors & Manager/Supervisors-Sale	760	12.09	243	2012	24878	31819	89
H.S.	43002	Sales Agents & Placers, Insurance	720	100.00	237	237	3138	3910	91
H.S.	43008	Sales Agents, Real Estate	540	100.00	232	232	2148	2716	94
H.S.	53808	Hotel Desk Clerks	500	100.00	219	219	1962	2653	102
H.S.	49008	Other Sales Representatives, Exc. Retail	70	50.00	204	408	4858	6496	53
H.S.	49011	Salespersons, Retail	70	5.95	180	3020	35958	46934	64
H.S.+	15011	Property & Real Estate Managers & Admin.	540	100.00	178	178	1988	2462	119
H.S.	68014	Amusement & Recreation Attendants	500	100.00	161	161	1917	2560	129
H.S.	43021	Travel Agents	740	100.00	160	160	1587	2163	130
H.S.	65002	Hosts/Hostesses-Restaurant, Lounge, or Coff Sho	710	50.00	157	313	2639	3546	0
H.S.	49021	Stock Clerks, Sales Floor	650	27.97	155	553	8315	10705	132
H.S.+	43017	Sales Agents, Selected Business Services	580	85.49	148	173	1881	2587	137
H.S.	55335	Customer Service Representatives, Utilities	580	100.00	139	139	1557	1823	144
H.S.	21302	Wholesale & Retail Buyers, Exc. Farm Products	650	88.03	125	142	1838	2374	154
H.S.+	13011	Marketing, Advertising & Public Rel. Mgrs.	650	75.31	115	153	2207	3073	168
H.S.	53805	Reservation & Transportation Ticket Agents	740	100.00	111	111	1176	1604	175
H.S.	53121	Loan & Credit Clerks	30	50.00	110	219	2418	3016	0
H.S.+	21102	Underwriters	720	100.00	106	106	1157	1429	179
H.S.	55344	Billing, Cost & Rate Clerks	60	50.00	101	202	2572	3341	0
H.S.+	53302	Insurance Adjusters, Examiners, & Investigators	720	100.00	95	95	1355	1677	191
H.S.+	27311	Recreation Workers	500	84.30	84	100	1390	1725	0
H.S.	43005	Brokers, Real Estate	540	100.00	82	82	788	999	210
H.S.	53508	Bill & Account Collectors	30	50.00	76	151	1925	2524	0
H.S.+	15026	Food Service & Lodging Managers	500	9.92	72	730	7277	9719	139
H.S.	53105	New Accounts Clerks	30	50.00	58	116	1109	1396	0

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: MARKETING - Continued									
H.S.	49026	New Vendors, Phone Solic., Door-To-Door Sales	650	100.00	49	49	511	692	266
H.S.+	13011	Marketing, Advertising & Public Rel. Mgrs.	580	24.69	38	153	2207	3073	315
H.S.+	34008	Public Rel. Specialists & Publicity Writers	790	100.00	38	38	732	951	309
H.S.+	43011	Appraisers, Real Estate	540	100.00	38	38	493	616	310
H.S.+	43023	Sales Agents, Advertising	790	100.00	38	38	525	681	311
H.S.	49032	Demonstrators, Promoters & Models	650	100.00	29	29	326	447	361
H.S.	43099	All Other Sales Reps. & Salespersons, Service	580	50.39	26	51	639	845	392
H.S.+	61099	All Other Service Supervisors & Mgr./Supervisors	500	9.70	22	225	2447	3199	346
H.S.	53908	Advertising Clerks	790	100.00	20	20	232	303	430
H.S.	53111	Loan Interviewers	30	50.00	19	37	439	564	0
H.S.	53114	Credit Authorizers	30	50.00	19	37	439	564	0
H.S.+	43017	Sales Agents, Selected Business Services	500	9.67	17	173	1881	2587	391
H.S.	49014	Salespersons, Parts	650	100.00	17	17	221	298	453
H.S.	53128	Brokerage Clerks	590	100.00	17	17	197	243	455
H.S.	53117	Credit Checkers	30	50.00	16	32	399	524	0
H.S.	58011	Transportation Agents	60	50.00	14	28	293	399	0
H.S.	34044	Merchandise Displayers & Window Trimmers	570	100.00	13	13	158	214	489
H.S.	53802	Travel Clerks	740	100.00	12	12	158	205	499
H.S.	49017	Counter & Rental Clerks	500	4.04	11	279	2457	3468	461
H.S.	53108	Transit Clerks	30	50.00	9	17	197	242	0
H.S.+	19999	All Other Managers & Administrators	500	0.35	8	2157	27144	34263	509
H.S.	53305	Insurance Appraisers, Auto Damage	720	100.00	6	6	82	103	597
H.S.	21302	Wholesale & Retail Buyers, Exc. Farm Products	70	3.20	5	142	1838	2374	528
H.S.+	19999	All Other Managers & Administrators	1200	0.16	3	2157	27144	34263	645
H.S.+	34038	Designers, Exc. Interior Designers	10	2.00	3	130	1879	2532	0
H.S.	68017	Guides	500	66.67	3	5	66	91	620
H.S.+	15023	Transport, Commun., & Utilities Operations Mgrs.	530	0.00	0	1	47	55	0
** SUBTOTAL **					17686	44735	522625	676367	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: NURSING ASSISTANT									
H.S.	66008	Nursing Aides, Orderlies, & Attendants	1040	100.00	768	768	8702	10654	25
** SUBTOTAL **					768	768	8702	10654	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: PLASTICS									
H.S.*	91117	Mach. Tool Cutting Opers./Tenders-Mtl. & Plast.	2030	50.00	58	116	1576	2047	249
H.S.	91905	Plastic Molding & Casting Mach. Opers. & Tenders	2250	100.00	51	51	823	1039	261
H.S.	91502	Numerical Control Mach. Tool Opers.-Metal/Plast.	2200	50.00	27	53	538	711	383
H.S.	91935	Furnace Operators & Tenders	2190	100.00	22	22	212	327	418
H.S.	91105	Lathe/Turning Mach. Set-Up Opers.-Mil. & Plast.	2200	50.00	20	39	430	566	436
H.S.	91114	Grind. & Buff. Mach. Set-Up Opers.-Metal/Plast.	2200	50.00	19	38	487	625	437
H.S.	91505	Combination Mach. Tool Set-Up Opers.-Mil./Plast.	2200	50.00	14	27	306	579	486
H.S.	91508	Combination Machine Tool Opers.-Metal & Plastic	2200	50.00	14	27	376	579	487
H.S.	91902	Plastic Molding & Casting Machine Set-Up Opers.	2250	100.00	14	14	249	328	482
H.S.	91111	Mill./Planning Mach. Set-Up Opers.-Mill. & Plast.	2200	50.00	10	19	198	267	530
H.S.	91108	Drill./Boring Mach. Set-Up Opers.-Mil & Plast.	2200	50.00	8	16	207	272	549
H.S.	91102	Sawing Mach. Tool Set-Up Opers. - Mil. & Plast.	2200	50.00	5	10	142	188	509
H.S.	91932	Heat Treating/Tempering Mach. Opers.-Mil./Plast.	2200	50.00	5	10	142	195	612
H.S.	91928	Heating Equip. Set-Up Opers.-Metal & Plastic	2200	50.00	1	1	31	48	0
** SUBTOTAL **					268	443	5717	7771	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL, RANK
* PROGRAM DELIVERY UNIT: PRACTICAL NURSE									
H.S.	32505	Licensed Practical Nurses	1050	100.00	556	556	6046	7624	38
** SUBTOTAL **					556	556	6046	7624	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL RANK
* PROGRAM DELIVERY UNIT: RADIO TV PRODUCTION									
H.S.	93114	Electrical/Electronic Equip. Assemblers - Prec.	1900	7.30	77	1058	9975	15414	218
H.S.	85702	Telephone & Cable TV Line Installers/Repairers	1760	50.00	56	112	2434	2900	0
H.S.	85717	Electronics Repairers, Commercial & Ind. Equip.	1900	100.00	56	56	966	1362	251
H.S.	34017	Announcers, Radio & Television	7075	100.00	25	25	508	605	393
H.S.+	34056	Producers, Directors, Actors, & Other Entertainer	7075	100.00	22	22	258	355	413
H.S.	85505	Frame Wirers, Central Office	1900	50.00	17	34	763	893	339
H.S.	85502	Central Office & PBX Installers & Repairers	1900	50.00	15	30	546	640	355
H.S.+	31508	Audio-Visual Specialists	1350	100.00	14	14	219	256	479
H.S.	93905	Electrical & Electronic Assemblers	1900	4.27	13	308	2597	3959	483
H.S.	92905	Motion Picture Projectionists	1900	100.00	12	12	137	185	505
H.S.	85514	Radio Mechanics	1900	50.00	9	17	382	456	458
H.S.+	34028	Broadcast Technicians	1360	100.00	7	7	228	267	571
H.S.+	34026	Camera Operators, Television & Motion Picture	1360	100.00	4	4	97	118	636
H.S.+	22599	All Other Engineering & Related Technicians	1360	0.41	1	181	2657	3501	0
H.S.	85511	Signal or Track Switch Maintainers	1900	50.00	1	1	40	52	720
H.S.+	85508	Telegraph & Teletype Installers	1900	50.00	0	0	0	0	0
H.S.	85599	All Other Commun. Equip. Mechs./Install./Reprs.	1900	50.00	0	0	0	0	0
** SUBTOTAL **					329	1881	21807	30963	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: RENEWABLE NATURAL RESOURCES									
H.S.+	61099	All Other Service Supervisors & Mgr./Supervisors	500	4.85	11	225	2447	3199	0
H.S.+	24302	Foresters & Conservation Scientists	330	100.00	10	10	475	531	517
H.S.	73002	Fallers & Buckers	340	100.00	8	8	143	160	556
H.S.	49017	Counter & Rental Clerks	500	2.02	6	279	2457	3468	0
H.S.	73099	All Other Timber Cutting & Related Workers	340	100.00	6	6	75	90	599
H.S.	19999	All Other Managers & Administrators	500	0.18	4	2157	27144	34263	0
H.S.+	72002	First Line Supervisors - Agric., Forestry & Rel.	340	100.00	3	3	58	68	654
H.S.	73011	Logging Tractor Operators	340	100.00	3	3	111	123	655
H.S.	68017	Guides	500	33.33	2	5	66	91	0
H.S.	73005	Choke Setters	340	100.00	1	1	47	50	714
H.S.	73008	Log Handling Equipment Operators	340	100.00	1	1	52	56	715
H.S.	79008	Log Graders & Scalers	340	100.00	1	1	42	46	716
H.S.+	63005	Forest Fire Inspectors & Prevention Specialists	330	100.00	0	0	0	0	0
H.S.	68014	Amusement & Recreation Attendants	500	0.00	0	161	1917	2560	129
H.S.+	72002	First Line Supervisors - Agric., Forestry & Rel.	0	0.00	0	0	0	0	0
H.S.	79411	Marine Life Cultivation Workers	240	100.00	0	0	0	0	0
H.S.+	79999	All Other Agric., Forestry, Fishing, & Related	0	0.00	0	0	0	0	0
H.S.	92305	Head Sawyers	340	100.00	0	0	33	36	0
** SUBTOTAL **					56	2860	35067	44741	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. 1987 DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: SMALL ENGINE REPAIR									
H.S.	85328	Small Engine Specialists	2080	100.00	9	9	189	238	541
H.S.	85308	Motorcycle Repairers	2080	100.00	1	1	0	0	719
** SUBTOTAL **					10	10	189	238	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: TRUCK AND BUS DRIVING									
H.S.+	97102	Truck Drivers, Heavy or Tractor Trailer	2320	100.00	779	779	9614	12551	22
H.S.	97108	Bus Drivers	2320	100.00	335	335	4424	5398	71
H.S.	97199	All Other Motor Vehicle Operations	7145	100.00	247	247	4829	5971	87
H.S.+	97947	Industrial Truck & Tractor Operators	2300	100.00	131	131	2568	3207	150
H.S.	97114	Taxi Drivers & Chauffeurs	2320	100.00	28	28	330	439	376
H.S.	97111	Bus Drivers, School	2320	100.00	10	10	147	194	524
H.S.	97899	All Other Transportation & Related Workers	7150	100.00	9	9	164	185	546
** SUBTOTAL **					1539	1539	22076	27945	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: UPHOLSTERING									
H.S.	89508	Upholsterers	2160	95.97	49	51	596	824	268
H.S.	93999	All Other Hand Workers	2160	1.10	3	238	3352	4339	667
** SUBTOTAL **					52	289	3948	5163	

NUMBER OF JOBS BY PROGRAM DELIVERY UNIT APPROPRIATE FOR HIGH SCHOOL TRAINING

TRNG. LEVEL	OES CODE	OES JOB TITLE	OIS CODE	ALLOC. %	ALLOC. DEMAND	1987 DEMAND	1986 EMPL.	1991 EMPL.	TOTAL. RANK
* PROGRAM DELIVERY UNIT: WELDING									
H.S.	93914	Welders & Cutters	150	100.00	236	236	2865	3602	92
H.S.	91705	Welding Machine Operators & Tenders	150	100.00	21	21	273	353	424
H.S.	91702	Welding Machine Setters & Set-Up Operators	150	100.00	20	20	250	335	433
H.S.	91711	Soldering & Brazing Machine Opers. & Tenders	150	100.00	4	4	61	87	640
H.S.	91708	Soldering/Brazing Mach. Setters & Set-Up Opers.	150	100.00	0	0	0	0	0
** SUBTOTAL **					281	281	3449	4377	

APPENDIX B - Study Group Participants

Arizona Center for Vocational Education

House Bill 2205 Study Group

Ms. Barbara Border, Arizona Department of Education

Mr. Harold Byfield, Mohave Community College

Mr. Ted Davis, Arizona Department of Education

Ms. Mary Day, Maricopa Community College District

Ms. Carol Erickson, Scottsdale Public Schools

Dr. Robert V. Kerwood, Nothern Arizona University

Mr. Owen Layton, Deer Valley Unified School District

Ms. Carol LeBlanc, Statewide Occupational Planning Director

Mr. David Padgett, Pima Community College

Mr. Ron Simon, Arizona Department of Economic Security

Dr. Hugo Soll, Arizona Department of Economic Security

APPENDIX B - Continued

Arizona Department of Education

Priority List Study Group

Dr. Kathryn Back, Phoenix Union High School District

Ms. Barbara Border, Arizona Department of Education

Mr. Jerry Bowman, Arizona Department of Eduction

Ms. LaVerne Brown, Holbrook Unifed School District

Mr. Greg Cooper, Arizona Department of Education

Mr. Ted Davis, Arizona Department of Education

Mr. Wayne Dotts, Sunnyside Unified School District

Mr. Don Hawkins, Marana Unified School District

Mr. Robert Jones, Mesa Unified School District

Dr. Raymond Kellis, Peoria Unified School District

Mr. Stewart Miller, Arizona Department of Education

Ms. Maria Pasqua, Arizona Department of Education

Mr. Ron Simon, Arizona Department of Economic Security

Dr. Hugo Soll, Arizona Department of Economic Security